

APPROPRIATIONS REQUEST FORM OREGON HOUSE DELEGATION FISCAL YEAR 2010

DEADLINE FOR SUBMISSION: FEBRUARY 20, 2009

PLEASE NOTE: As required by the House Appropriations Committee, all requests will be made public on the requesting Member's website.

1. Project Title: High Altitude Shuttle System (HASS)

2. Organization Name and address:

GSSL, Inc. dba Near Space Corporation (NSC)

PO Box 909

6000 Hangar Rd.

Tillamook, OR 97141

3. Primary Contact name, phone number, mobile phone number, fax number and email:

4. Project Location Address (if different from Organization): Tillamook, OR

5. Please describe the requesting organization's main activities, and whether it is a public, private non-profit, or private for-profit entity:

GSSL, Inc (NSC) is an Oregon corporation that primarily provides government customers (NASA, NOAA, DOD, laboratories, and universities) with engineering, manufacturing, and flight operations involving high altitude balloon platforms and technologies.

6. Briefly describe the activity or project for which funding is requested (please keep to 500 words or less.)

HASS is an affordable, integrated, high altitude (65-100kft) shuttle system that provides persistent battle space coverage using NSC's revolutionary tactical balloon and autonomous payload return vehicle technologies.

With the increasing focus on Afghanistan, there will be new challenges for our troops and their ability to communicate effectively. Specifically, troops comprised of small units located in highly complex natural terrain currently need the ability to maintain situational awareness enabled by reliable communications. The rugged terrain of Afghanistan reduces our troop's ability to use traditional line of sight communication systems as well as their ability to fly lower tier UAVs. A new solution is essential and, among the candidate technologies, HASS is one of the most promising near term options. The ability to provide focused communications, imaging and signal intelligence from a highly covert yet accessible platform can be a

significant combat multiplier. The additional capability to launch and recover these high altitude assets from distances outside the main operational area reduces the ability of the threat to determine our intent and thus thwart our efforts.

These same capabilities make HASS an invaluable tool off the battle field by supporting first responders in dealing with natural and man made disasters that desperately need extended communications and situational awareness to save lives.

7. Has this project received federal appropriations funding in past fiscal years? Yes

7a. If yes, please provide fiscal year, Department, Account, and funding amount of any previous funding.

FY 2009, Dept of Defense, PE0603308A, Line 56 Army Missile Defense Systems Integration (Space)

8. Federal agency and account from which funds are requested (Please be specific –e.g. Department of Housing and Urban Development, Economic Development Initiatives account):

Dept of Defense, PE0603308A, Line 56 Army Missile Defense Systems Integration (Space)

9. What is the purpose of the project? Why is it a valuable use of taxpayer funds? How will the project support efforts to improve the economy and create jobs in Oregon?

The purpose of the project is to mature the HASS technology so it can be quickly deployed in support of troops in Iraq and Afghanistan.

HASS technology serves as a force multiplier for small tactical teams deployed to confront enemies using asymmetric warfare. For instance, this technology would greatly serve a deployment like the 4,000-man Stryker brigade deploying to Afghanistan in the summer of 2009. HASS can also fulfill a critical need for extended communications and situational awareness by supporting first responders in dealing with natural and man made disasters

In Tillamook County, a targeted enterprise zone, the project will create 25 to 30 new jobs; including program managers, aerospace engineers, manufacturing engineers, software/hardware engineers, aircraft assemblers, balloon assemblers, electronics technicians, flight operations technicians, and administrative support personnel. This area has been hard hit by the slow down in both the fishing and timber industry and requires diversification of its economy.

10. Have you requested funding for this project from other Members of Congress?

If so, who? Yes, Senators Wyden and Merkley

11. Funding Details:

a. Total project cost (all funding sources and all years): \$6 million

b. Amount being requested for this project in Fiscal Year 2010: \$5 million

c. What other funding sources (local, regional, state) are contributing to this project or activity? (Please provide specific dollar amount or percentage.)

Near Space Corporation is currently working with Oregon Dept of Economic Development, Tillamook County Economic Development, Port of Tillamook, and COLPAC, as well as seeking private funding.

d. Do you expect to request federal funding in future years for this project? No

e. Breakdown/budget of the amount you are requesting for this project in FY 2010.

(e.g. salary \$40,000; computer \$3,000):

\$3 million salaries and subcontracts

\$2 million materials, expendables, and ODC's.

f. Please list public or private organizations that have supported/endorsed this project:

Army SMDC Space Battle Lab, Army PEO Missiles and Space, Tillamook County Economic Development, Port of Tillamook, Tillamook County Commissioners, and COLPAC

g. Is this project scalable? (i.e. if partial funding is awarded, will the organization be able to use the funds in FY 2010?): Yes, but reduced funding will potentially delay the systems readiness for deployment.